

AMENDMENTS TO THE CLAIMS

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of the claims in the application.

Listing of Claims:

1. -47. (Canceled).
48. (Previously Presented) An insulation material comprising an expanded polyurethane insulation layer, a metal layer and an extruded crystallized polyamide layer, and two extruded adhesive layers, the extruded crystallized polyamide layer joined to an extruded adhesive layer on the metal layer when the polyamide is not substantially crystalline and is glutinous, the metal layer with the not substantially crystalline polyamide being adhesively joined to the polyurethane insulation layer as the polyurethane insulation layer is formed and when the polyamide is in a glutinous form, and then the glutinous polyamide being cooled for crystallizing the glutinous polyamide to form the polyamide layer.
49. (Previously Presented) The insulation material of claim 48 wherein the polyamide is selected from the group consisting of polyamide-66, polyamide-6 and mixtures thereof.
50. (Previously Presented) The insulation material of claim 48 wherein the metal layer is aluminum.
51. (Previously Presented) The insulation material of claim 50 wherein the polyamide is selected from the group consisting of polyamide-66, polyamide-6 and mixtures thereof.
52. (Previously Presented) An insulation material comprising an expanded polyurethane insulation layer, a metal layer and a polyamide layer, the polyamide layer joined to the metal layer when the polyamide is not substantially crystalline and is glutinous, the metal layer with the not substantially crystalline polyamide being joined to the polyurethane insulation layer with the polyamide as the polyurethane insulation layer is formed and when

the polyamide is in a glutinous form and then the glutinous polyamide being cooled for crystallizing the glutinous polyamide to form the polyamide layer.

53. (Previously Presented) The insulation material of claim 52 wherein the polyamide is selected from the group consisting of polyamide-66, polyamide-6 and mixtures thereof.

54. (Previously Presented) The insulation material of claim 52 wherein the metal layer is aluminum.

55. (Previously Presented) The insulation material of claim 54 wherein the polyamide is selected from the group consisting of polyamide-66, polyamide-6 and mixtures thereof.

56. (Previously Presented) The insulation material of claim 52 wherein the polyamide is heated between 120° to 140°C when the polyamide from its glutinous form and is cooled and crystallized to form the polyamide layer.

57. (Previously Presented) The insulation material of claim 53 wherein the polyamide is heated between 120° to 140° C when the polyamide from its glutinous form and is cooled and crystallized to form the polyamide layer.

58. (Previously Presented) The insulation material of claim 54 wherein the polyamide is heated between 120° to 140° C when the polyamide from its glutinous form and is cooled and crystallized to form the polyamide layer.

59. (Previously Presented) The insulation material of claim 55 wherein the polyamide is heated between 120° to 140° C for 1 to 5 minutes and cooled to crystallize the polyamide from its glutinous form to form the polyamide layer.

60. (Previously Presented) The insulation material of claim 57 wherein the polyamide is heated for 1 to 5 minutes.

61. - 66 (Canceled)

67. (Previously Presented) An insulation material comprising an expanded polyurethane insulation layer, a metal layer and a co-extruded crystallized

polyamide/adhesive layer, and one additional adhesive layer, the co-extruded crystallized polyamide/adhesive layer joined to the metal layer through the co-extruded adhesive and when the polyamide is not substantially crystalline and is glutinous, the metal layer with the co-extruded polyamide/adhesive layer adhesively joined to the expanded polyurethane insulation layer as the expanded polyurethane insulation layer is expanded and when the polyamide is in a glutinous form, the glutinous polyamide being cooled for crystallizing the glutinous polyamide to form a crystallized polyamide in the co-extruded layer.

68. (Previously Presented) The insulation material of claim 48 wherein the polyamide is heated between 120° to 140°C for 1 to 5 minutes, and cooled to crystallize the polyamide from its glutinous form to form the polyamide layer.

69. (Previously Presented) The insulation material of claim 67 wherein the polyamide is heated between 120° to 140 °C for 1 to 5 minutes, and cooled to crystallize the polyamide from its glutinous form to form the polyamide layer.

70. (Previously Pending) The insulation material of claim 69 wherein the polyamide is selected from the group consisting of polyamide-66, polyamide-6 and mixtures thereof.

71. (Previously Presented) The insulation material of claim 70 wherein the metal layer is aluminum.

72. (Previously Presented) An insulation material comprising an expanded polyurethane insulation layer, an aluminum metal layer and a polyamide layer, the polyamide layer joined to the aluminum metal layer when the polyamide is not substantially crystalline and is glutinous, the metal layer with the not substantially crystalline polyamide being joined to the polyurethane insulation layer with the polyamide as the polyurethane insulation layer is formed and when the polyamide is in a glutinous form, the glutinous polyamide being heated between 120° to 140°C for 1 to 5 minutes, and cooled to crystallize the polyamide from its glutinous form to form the polyamide layer, the polyamide being selected from the group consisting of polyamide-66, polyamide-6 and mixtures thereof.

73. (Previously Presented) An insulation material comprising an expanded polyurethane insulation layer, a metal layer and a polyamide layer, the polyamide layer joined to the metal layer when the polyamide is not substantially crystalline and is glutinous, the metal layer with the not substantially crystalline polyamide being joined to the polyurethane insulation layer with the polyamide as the polyurethane insulation layer is formed and when

the polyamide is in a glutinous form and the glutinous polyamide being heated between 120° to 140°C for 1 to 5 minutes and cooled for crystallizing the polyamide from its glutinous form to form the polyamide layer, the polyamide being selected from the group consisting of polyamide-66, polyamide-6 and mixtures thereof.

74. (Previously Presented) An insulation material comprising an expanded polyurethane insulation layer, a metal layer and a co-extruded crystallized polyamide/adhesive layer, and one additional adhesive layer, the co-extruded crystallized polyamide/adhesive layer joined to the metal layer through the co-extruded adhesive and when the polyamide is not substantially crystalline and is glutinous, the polyamide being heated between 120° to 140°C for 1 to 5 minutes, the metal layer with the co-extruded polyamide/adhesive layer adhesively joined to the expanded polyurethane insulation layer as the expanded polyurethane insulation layer is expanded and when the polyamide is in a glutinous form, the glutinous polyamide being cooled to crystallize the glutinous polyamide to form a crystallized polyamide in the co-extruded layer, the polyamide being selected from the group consisting of polyamide-66, polyamide-6 and mixtures thereof.